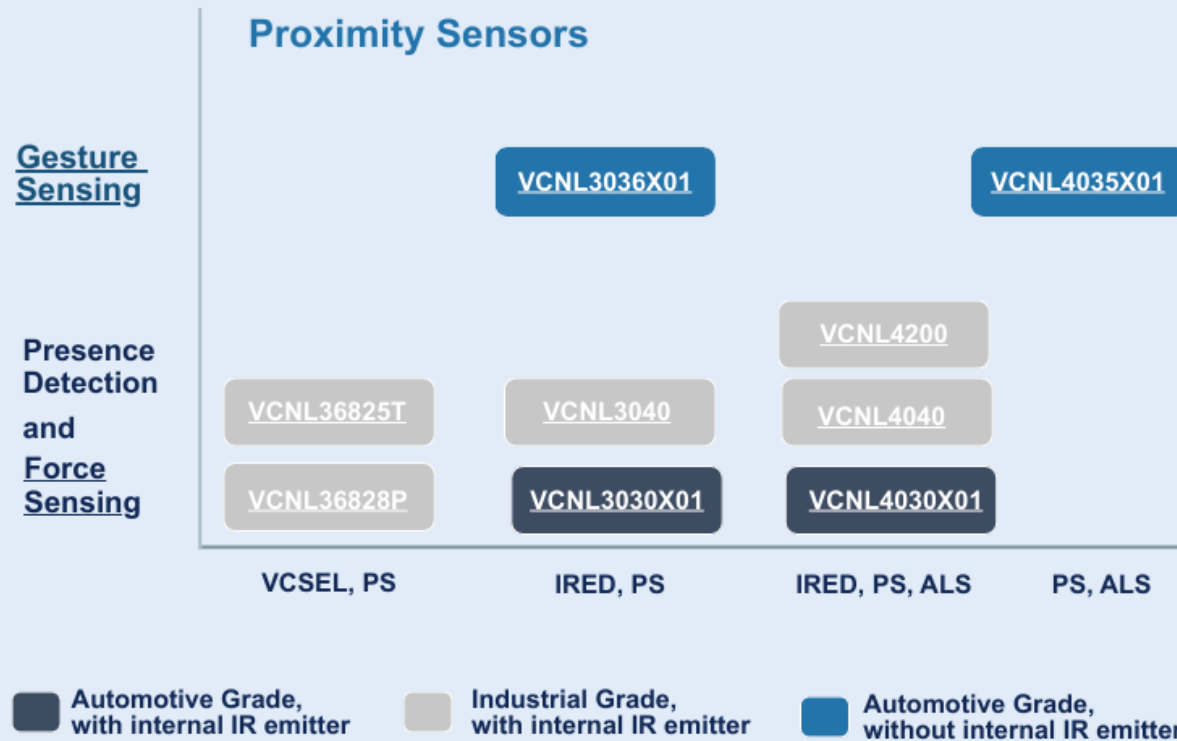# Touchless Switching

ENHANCING CONVENIENCE AND HYGIENE

Touchless switching technology enables hands-free control for various applications, improving convenience, hygiene, and automation.

In the automative sector, it is commonly used for focus lighting in the car glove box area, providing seamless illumination when needed.
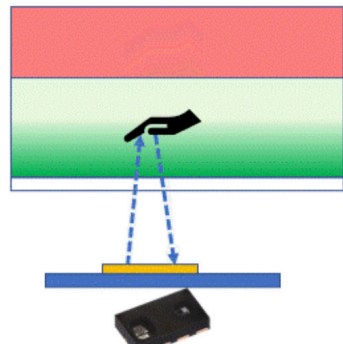
In non-automative applications, it enhances soap dispensers, hand dryers, wake-up detection systems, monitors, automatic doors, IoT devices, thermostats, and home automation displays by enabling interaction without physical contact.

Proximity Sensors

	VCSEL, PS	IRED, PS	IRED, PS, ALS	PS, ALS
Gesture Sensing		VCNL3036X01		VCNL4035X01
Presence Detection and Force Sensing			VCNL4200	
	VCNL36825T	VCNL3040	VCNL4040	
	VCNL36828P	VCNL3030X01	VCNL4030X01	

■ **Automotive Grade, with internal IR emitter**
■ **Industrial Grade, with internal IR emitter**
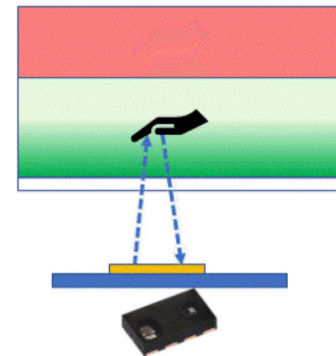■ **Automotive Grade, without internal IR emitter**

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Object enters the detection zone, the threshold is crossed and the application is turned on
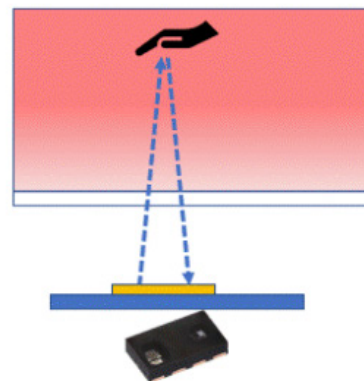
Application status

ON

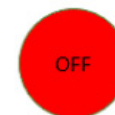Object enters the detection zone, the threshold is crossed and the application is turned on

Application status

ON

The object is outside of the defined detection zone.
The threshold is not yet crossed and the application remains off
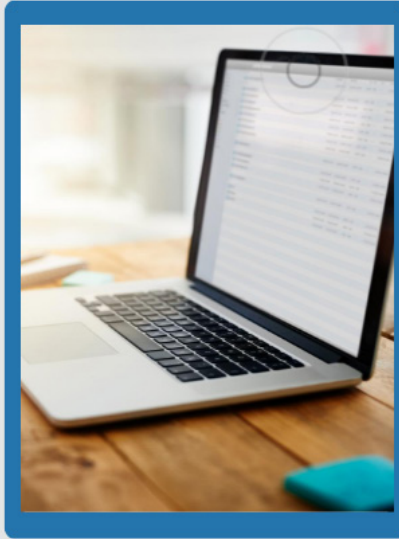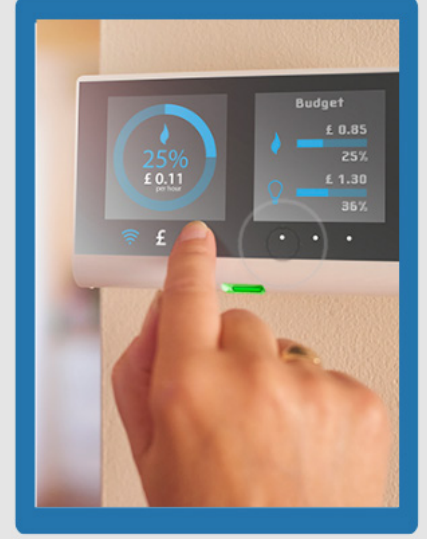
Application status

OFF

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APPLICATIONS

Automotive

Wake-Up Detection

Non-Automotive

IoT Devices

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